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We claim:

1           1.       A process for dry-cleaning a textile article comprising the step of heat treating a  
2       textile together with an activator cloth containing an activator solution within a flexible, partially  
3       sealed containment means.

1           2.       The dry-cleaning process of claim 1 further comprising the step of pre-treating the  
2       textile containing a localized area of stain by subjecting at least the localized area of stain to a fluid  
3       pre-treatment composition and an absorbent stain receiving medium.

1           3.       The dry-cleaning process of claim 2 further characterized by an absence of any  
2       deposit or migration of undesired material or substances from the absorbent stain receiving medium  
3       to the article to be cleaned.

1           4.       The dry-cleaning process of claim 2 further comprising the step of selecting the  
2       absorbent stain receiving medium from those materials which leave no deposits or which allow no  
3       migration of undesired material or substances from the absorbent stain receiving medium to the  
4       article to be cleaned during the cleaning process.

1           5.       The dry-cleaning process of claim 1 in which the process is non-commercial and  
2       comprises heat treating a single article within the containment means.

1           6.       The dry-cleaning process of claim 1 in which the process is non-commercial and  
2       comprises heat treating 2-4 individual articles within the containment means simultaneously.

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1           7.       The dry-cleaning process of claim 1 in which the process is non-commercial and  
2 comprises heat treating a plurality of individual articles within the containment means  
3 simultaneously.

1           8.       The dry-cleaning process of claim 1 in which the process is commercial and  
2 comprises heat treating one or more individual articles within the containment means simultaneously.

1           9.       The dry-cleaning process of claim 1 in which a minimal volume of activator  
2 solution is used.

1           10.      A fluid pre-treatment composition for use in dry-cleaning textile article processes  
2 comprising about 0.01-5.0% each of one or more surfactants selected from the group consisting of  
3 anionic surfactants and nonionic surfactants, about 0.01-2.0% amine oxide, about 0.0-1.0%  
4 preservative, about 0.01-4.0% alkali metal borate, and about 50.0-99.99% fluid solvent.

1           11.      A fluid pre-treatment composition for use in dry-cleaning textile article processes  
2 comprising about 0.01-2.0% each of one or more anionic surfactant(s), about 0.01-5.0% each of  
3 one or more nonionic surfactant(s), about 0.01-2.0% amine oxide, about 0.0-1.0% preservative,  
4 about 0.01-4.0% alkali metal borate, and about 80.0-99.99% one or more fluid solvent(s).

1           12.      The fluid pre-treatment composition of Claim 11 in which the 0.01-2.0% each one  
2 or more anionic surfactant(s) comprises derivatives or mixtures of one or more sulfonated  
3 alkyl diphenyl ethers.

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1           13.       The fluid pre-treatment composition of Claim 11 in which the 0.01-2.0% each of  
2       one or more anionic surfactant(s) comprises sodium salts of sulfonated benzene, 1,1-oxybis,  
3       tetrapropylene derivatives.

1           14.       The fluid pre-treatment composition of Claim 11 comprising 0.02-1.0% each of  
2       one or more anionic surfactant(s).

1           15.       The fluid pre-treatment composition of Claim 11 comprising 0.03-0.7% each of  
2       one or more anionic surfactant(s).

1           16.       The fluid pre-treatment composition of Claim 11 in which the 0.01-5.0% each of  
2       one or more nonionic surfactant(s) comprises derivatives or mixtures of one or more polyethylene  
3       glycol ethers including alkyloxypolyethyleneoxyethanol, ethoxylated, and ethoxylated and  
4       propoxylated C<sub>6-24</sub> alcohols, with about 2-10 moles of ethylene oxide, or 1-10 and 1-10 moles of  
5       ethylene and propylene oxide per mole of alcohol, respectively, other ethoxylated and propoxylated  
6       linear short chain and long chain, straight and branched chain alcohols and ethers, alkoxyated  
7       phenol ethers including octyl- and nonylphenol ethers, with varying degrees of alkoxylation including  
8       1-10 moles of ethylene oxide per mole of phenol, the alkyl group varying from C<sub>6-16</sub>, with octyl- and  
9       nonyl chain lengths, and alkyl polyoxyalkylene ether.

1           17.       The fluid pre-treatment composition of Claim 11 comprising 0.02-1.0% each of  
2       one or more nonionic surfactant(s).

1           18.       The fluid pre-treatment composition of Claim 11 comprising 0.03-0.1% each of  
2       one or more nonionic surfactant(s).

1           19.       The fluid pre-treatment composition of Claim 11 in which the about 0.01-2.0%  
2       amine oxide comprises one or more of mono-long chain, di-short chain, trialkyl amine oxides, and  
3       lauryl amine oxide.

1           20.       The fluid pre-treatment composition of Claim 11 comprising about 0.02-1.0%  
2       amine oxide.

1           21.       The fluid pre-treatment composition of Claim 11 comprising about 0.03-0.5%  
2       amine oxide.

1           22.       The fluid pre-treatment composition of Claim 11 in which the about 0.0-1.0%  
2       preservative comprises one or more of anti-microbial, anti-bacterial and anti-fungal agents,  
3       polyhexamethylenbiguanide, sodium hydroxymethylaminoacetate, phenolic and xylenol agents  
4       including para chlorometa xylenol and 2,4,4'-trichloro-2'-hydroxy diphenyl ether, 3,4,4'-trichloro  
5       carbanilide, 2,t-butyl-4-cyclohexylphenol, sodium perborate, activated perborate, percarbonate, and  
6       quaternary ammonium compounds.

1           23.       The fluid pre-treatment composition of Claim 11 comprising about 0.01-0.5%  
2       preservative.

1           24.       The fluid pre-treatment composition of Claim 11 in which the about 80.0-99.99%  
2       one or more fluid solvent(s) comprises one or more of water, distilled water, C<sub>1-10</sub> alkanols, C<sub>2-10</sub>  
3       diols, C<sub>3-24</sub> glycol ethers, and mixtures thereof.

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1           25.     The fluid pre-treatment composition of Claim 11 comprising not more than about  
2     1.0% borate.

1           26.     The fluid pre-treatment composition of Claim 11 comprising not more than about  
2     0.8% borate.

1           27.     The fluid pre-treatment composition of Claim 11 comprising not more than about  
2     0.5% borate.

1           28.     The fluid pre-treatment composition of Claim 11 comprising about 0.4% borate.

1           29.     The fluid pre-treatment composition of Claim 11 in which the pH is not higher  
2     than about 10-11.

1           30.     The fluid pre-treatment composition of Claim 11 in which the pH is between about  
2     7 and about 11.

1           31.     The fluid pre-treatment composition of Claim 11 in which the pH is between about  
2     8 and about 10.

1           32.     The fluid pre-treatment composition of Claim 11 in which the pH is about 9.0.

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1           33.       A system for dry-cleaning a textile article in a conventional or commercial-type  
2 clothes dryer comprising:

3           absorbent stain removal medium for absorbing the stain partitioned from the article to be  
4           cleaned;

5           activator solution for partitioning the stain from the article to be cleaned, the activator  
6           solution comprising volatile solvent, optional fragrance and the balance water;

7           activator cloth or other substrate with a predetermined volume of the activator solution  
8           loaded thereon; and

9           a containment system for containing the textile article to be cleaned, the absorbent stain  
10          removal medium, and the activator cloth, all within the dryer, whereby the textile  
11          article to be cleaned, the absorbent stain removal medium, and the activator cloth  
12          are maintained in an operative proximity during the cleaning process.

1           34.       The dry-cleaning system of Claim 33 in which the absorbent stain removal  
2 medium comprises a material adapted for binding soils and stains and preventing re-release thereof.

1           35.       The dry-cleaning system of Claim 33 in which the absorbent stain removal  
2 medium comprises a nonwoven material.

1           36.       The dry-cleaning system of Claim 33 in which the absorbent stain removal  
2 medium comprises a woven material.

1           37.       The dry-cleaning system of Claim 33 in which the absorbent stain removal  
2 medium comprises a coform material.

1 38. The dry-cleaning system of Claim 33 in which the absorbent stain removal  
2 medium comprises a wetting agent to increase wettability thereof.

1 39. The dry-cleaning system of Claim 33 in which the absorbent stain removal  
2 medium comprises an un-laundered article.

1 40. The dry-cleaning system of Claim 33 in which the absorbent stain removal  
2 medium is essentially free of additives, said additives including optical brighteners, fluorescent  
3 whitening agents, and the like.

1 41. The dry-cleaning system of Claim 33 utilizing an absorbent stain removal medium  
2 in which essentially no undesired substances migrate therefrom to the article to be cleaned.

1 42. The dry-cleaning system of Claim 33 in which the activator solution is surfactant-  
2 less.

1 43. The dry-cleaning system of Claim 33 in which the activator cloth contains less  
2 than about 28 grams of activator solution.

1 44. The dry-cleaning system of Claim 33 in which the activator cloth contains less  
2 than about 24 grams of activator solution.

1 45. The dry-cleaning system of Claim 33 in which the activator cloth contains about  
2 20 grams of activator solution.



1           46.       The dry-cleaning system of Claim 33 further comprising packaging means for  
2       reducing or preventing undesired evaporation of the water and/or other volatile components of the  
3       activator solution.

1           47.       The dry-cleaning system of Claim 33 further comprising packaging means for  
2       controlled delivery of vaporized activator solution to the article to be cleaned.

1           48.       The dry-cleaning system of Claim 33 in which the containment system comprises a  
2       closure means.

1           49.       The dry-cleaning system of Claim 33 closure means is one or more selected from  
2       zippers, hook-and-loop type fasteners, buttons, clips, pins, snaps, adhesive strips or tape, and  
3       resealable mated sealing strips.

1           50.       The dry-cleaning system of Claim 33 in which the containment system vents  
2       between about 1 to about 99% of generated vapors.

1           51.       The dry-cleaning system of Claim 33 in which the containment system vents  
2       between about 40 to about 90% of generated vapors.

1           52.       The dry-cleaning system of Claim 33 in which the containment system vents  
2       between about 5 to about 35% of generated vapors.

1           53.       The dry-cleaning system of Claim 33 in which the containment system further  
2       comprises a predetermined headspace volume.

1           54.       The dry-cleaning system of Claim 33 in which the activator cloth contains less  
2       than about 28 grams of activator solution.

1           55.       The dry-cleaning system of Claim 33 further comprising a pre-treatment stain  
2       formula for pre-treating spots and/or stains prior to cleaning.

1           56.       The dry-cleaning system of Claim 55 in which the pre-treatment stain formula is  
2       non-thickened.

1           57.       The dry-cleaning system of Claim 55 in which the pre-treatment stain formula  
2       comprises about 0.01-2.0% each of one or more anionic surfactant(s), about 0.01-5.0% each of one  
3       or more nonionic surfactant(s), about 0.01-2.0% amine oxide, about 0.0-1.0% preservative, about  
4       0.01-4.0% alkali metal borate, and about 80.0-99.99% one or more fluid solvent(s).

1           58.       The dry-cleaning system of Claim 55 further comprising operative dispenser  
2       means for dispensing controlled volumes of the pre-treatment stain formula onto the textile article to  
3       be cleaned.

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